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**Serial Number:**      10/698,180

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US 20060076068 A1	US- PGPUB	20060413		Microfluidic pump and valve structures and fabrication methods	137/829		Young; Lincoln et al.
US 20060042785 A1	US- PGPUB	20060302		Pumped fluid cooling system and method	165/80.4		Werner; Douglas et al.
US 20050270742 A1	US- PGPUB	20051208	16	Semi-compliant joining mechanism for semiconductor cooling applications	361/696		Brewer, Richard Grant et al.
US 20050269691 A1	US- PGPUB	20051208		Counter flow micro heat exchanger for optimal performance	257/714		Munch, Mark et al.
US 20050269061 A1	US- PGPUB	20051208		Apparatus and method of efficient fluid delivery for cooling a heat producing device	165/80.4	361/699	Brewer, Richard Grant et al.
US 20050268626 A1	US- PGPUB	20051208		Method and apparatus for controlling freezing nucleation and propagation	62/150		Upadhy, Girish et al.
US 20050211427 A1	US- PGPUB	20050929		Method and apparatus for flexible fluid delivery for cooling desired hot spots in a heat producing device	165/299		Kenny, Thomas W. et al.
US 20050211418 A1	US- PGPUB	20050929		Method and apparatus for efficient vertical fluid delivery for cooling a heat producing device	165/80.4	257/E23.098	Kenny, Thomas W. et al.
US 20050211417 A1	US- PGPUB	20050929		Interwoven manifolds for pressure drop reduction in microchannel heat	165/80.4	257/E23.098	Upadhy, Girish et al.

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US 20050210913 A1	US- PGPUB	20050929		Remedies to prevent cracking in a liquid system	62/515	257/E23.098; 62/498	Munch, Mark et al.
US 20050205241 A1	US- PGPUB	20050922		Closed-loop microchannel cooling system	165/80.4	257/E23.098	Goodson, Kenneth E. et al.
US 20050183845 A1	US- PGPUB	20050825		Remedies to prevent cracking in a liquid system	165/83	257/E23.098; 62/515	Munch, Mark et al.
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US 20050171269 A1	US- PGPUB	20050804		Composite thermal interface material including particles and nanofibers	524/495		Hu, Xuejiao et al.
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US 20050091313 A1	US- PGPUB	20050428		System and implementation method of controlled multicast	709/204		Zhou, Peng et al.
US 20050084385 A1	US- PGPUB	20050421		Micro-fabricated electrokinetic pump	417/53		Corbin, David et al.
US 20050042110 A1	US- PGPUB	20050224		MICRO-FABRICATED ELECTROKINETIC PUMP	417/48	417/410.1	Corbin, David et al.
US 20040252535 A1	US- PGPUB	20041216		Apparatus for conditioning power and managing thermal energy in an electronic device	363/144		Kenny, Thomas William JR. et al.

US 20040244950 A1	US- PGPUB	20041209		Optimized multiple heat pipe blocks for electronics cooling	165/104.21	257/E23.088	Zhou, Peng et al.
US 20040241004 A1	US- PGPUB	20041202		Electroosmotic micropump with planar features	417/48		Goodson, Kenneth E. et al.
US 20040240245 A1	US- PGPUB	20041202		Power conditioning module	363/144		Kenny, Thomas William JR. et al.
US 20040233639 A1	US- PGPUB	20041125		Removeable heat spreader support mechanism and method of manufacturing thereof	361/704	165/76; 165/80.2; 361/688	Upadhyay, Girish et al.
US 20040228771 A1	US- PGPUB	20041118		Reconfigurable modular microfluidic system and method of fabrication	422/102		Zhou, Peng et al.
US 20040206477 A1	US- PGPUB	20041021		Method and apparatus for efficient vertical fluid delivery for cooling a heat producing device	165/80.4	257/E23.098	Kenny, Thomas W. et al.
US 20040188066 A1	US- PGPUB	20040930		Optimal spreader system, device and method for fluid cooled micro-scaled heat exchange	165/80.4	165/168; 257/E23.098	Upadhyay, Girish et al.
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US 20040182551 A1	US- PGPUB	20040923		Boiling temperature design in pumped microchannel cooling loops	165/104.27	165/104.32	Zhou, Peng et al.
US 20040182548 A1	US- PGPUB	20040923		Multi-level microchannel heat exchangers	165/103	257/E23.098	Lovette, James et al.
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US 20040112585 A1	US- PGPUB	20040617		Method and apparatus for achieving temperature uniformity and hot spot cooling in a heat producing device	165/299	165/133; 165/80.3; 165/80.4; 29/890.03	Goodson, Kenneth et al.
US 20040112571 A1	US- PGPUB	20040617		Method and apparatus for efficient vertical fluid delivery for cooling a heat producing device	165/80.3	165/133; 165/905; 257/E23.098	Kenny, Thomas W. et al.
US 20040104022 A1	US- PGPUB	20040603		Method and apparatus for flexible fluid delivery for cooling desired hot spots in a heat producing device	165/299	165/133; 29/890.03	Kenny, Thomas W. et al.
US 20040104012 A1	US- PGPUB	20040603		Vapor escape microchannel heat exchanger	165/104.26	257/E23.088; 257/E23.089	Zhou, Peng et al.
US 20040104010 A1	US- PGPUB	20040603		Interwoven manifolds for pressure drop reduction in microchannel heat exchangers	165/80.4	29/890.03	Kenny, Thomas W. et al.
US 20040089442 A1	US- PGPUB	20040513		Electroosmotic microchannel cooling system	165/104.11	257/E23.098	Goodson, Kenneth E. et al.
US 20040076408 A1	US- PGPUB	20040422		Method and apparatus for removeably coupling a heat rejection device with a heat producing device	392/340	257/E23.089	Kenny, Thomas et al.
US 20030226806 A1	US- PGPUB	20031211		Methods and devices for liquid extraction	210/634	210/321.84; 210/511; 216/2; 216/56; 422/70	Young, Lincoln C. et al.
US 20030206400	US- PGPUB	20031106		Thermal management system	361/717	165/80.2; 361/687	Heirich, Douglas L.

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US 20030173942 A1	US- PGPUB	20030918		Apparatus for conditioning power and managing thermal energy in an electronic device	323/299		Kenny, Thomas William JR. et al.
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US 20030136463 A1	US- PGPUB	20030724		Automated apparatus for dispensing measured quantities of powder to containers in an array	141/129	141/83; 222/413; 222/77	Zhou, Peng et al.
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A				BODY AIRCRAFT CONFIGURATION [TEXT AVAILABLE IN USOCR DATABASE]			KENNETH W
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